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## Instrument Stand Installation

### I. Purpose:

This document describes how to install and align the various instrument stands at the ARCS site.

### II. Cautions and Hazards:

- The alignments noted are critical to the proper operation and data collection.

### III. Requirements:

None.

### IV. Procedure:

#### A. GNDRAD:

1. Install the GNDRAD stand so that the longest stand dimension is aligned along the **North/South** direction.

#### B. SKYRAD:

1. Install the SKYRAD stand so that the longest stand dimension is along the **North/South** direction and the **Solar Tracker end** of the stand is nearest the **equator**.

#### C. Ceilometer:

1. See Ceilometer installation manual.

#### D. MPL:

1. See MPL installation manual.

#### E. WSI:

1. See WSI installation manual.

#### F. MWR:

1. See MWR installation manual.

#### G. SMET Tower:

1. Make sure the shadow from the SMET tower **does not** fall across with the GNDRAD or SKYRAD instruments at any time during the day.

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**V. References:**

1. Monty Apple

**VI. Attachments:**

None.